

2724-304

{ } indicates optional statements

# ZOECON RF-209 COCKROACH GROWTH REGULATOR

with GENCOR® (ZIGRON™) Insect Growth Regulator

Controls Cockroaches by Preventing Reproduction

Continuous Protection for 120 Days {4 Months}

Roach Control for Industrial & Institutional Use

Labeled for Use in {food areas {and non-food areas} of}  
food handling establishments {facilities}

**General Information:** The active ingredient in the Zoecon RF-209 Cockroach Growth Regulator is the biorational insecticide GENCOR® Insect Growth Regulator. GENCOR is unique in that it eliminates cockroaches without direct poisoning like conventional insecticides. This biorational insecticide is similar to growth regulators that occur naturally in insects, and is also unique in that it controls roach populations by inhibiting reproduction. One to two weeks after application, you will begin to see roaches with crinkled wings--showing the initial effects of GENCOR. These roaches cannot reproduce. Immature roaches develop into nonreproductive adults, thereby effectively breaking the roach life cycle.

GENCOR causes a gradual reduction and ultimate elimination of the roach population. A conventional insecticide effective in killing roaches should be used with the Zoecon RF-209 Cockroach Growth Regulator if a large roach population is present. The Zoecon RF-209 Cockroach Growth Regulator should then be applied every 4 months to maintain continuous protection. When GENCOR is applied by itself, a reduction in the roach population will begin to be noticed at around 4 months. Major population reductions will be seen in 6 to 12 months. Zoecon RF-209 Cockroach Growth Regulator should be applied every 4 months to maintain continuous protection.

**ACTIVE INGREDIENT:**

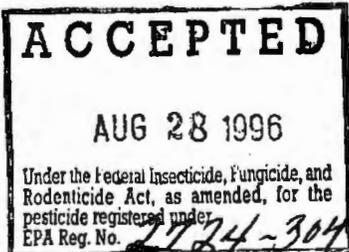
Hydroprene [Ethyl(E,E) - 3,7,11 -trimethyl -2,4-dodecadienoate]: ..... 65.7%

**INERT INGREDIENTS:**..... 34.3%

Total: 100.0%

**KEEP OUT OF REACH OF CHILDREN  
WARNING**

See back panel for additional precautionary statements



NET CONTENTS:

## PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS - WARNING:** Causes substantial but temporary eye irritation. Do not get in eyes, on skin, or on clothing. Wear safety glasses. Wash thoroughly with soap and water after handling. Harmful if swallowed, inhaled, or absorbed through the skin. May cause dermal sensitization. Avoid direct contamination of food, foodstuffs, or water supply.

**STATEMENT OF PRACTICAL TREATMENT:** If in eyes, ~~immediately~~ hold eyelids open and flush with gently flowing water for at least 15 minutes - ~~if irritation persists~~, get medical attention. If swallowed, call a physician. If on skin, wash thoroughly with soap and water. If skin irritation occurs, call a physician. Remove contaminated clothing and wash before reuse.

**PHYSICAL OR CHEMICAL HAZARDS:** Do not use this product in or on electrical portion of equipment due to the possibility of shock hazard.

**DIRECTIONS FOR USE:** It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Zoecon RF-209 Cockroach Growth Regulator is intended for use in buildings, which include but are not limited to apartment buildings, bars, cafeterias, super markets, grocery stores, day care centers, hospitals, houses, industrial buildings, office buildings, kitchens, laboratories, manufacturing establishments, mausoleums, nursing homes, restaurants, schools, stores, taverns, and warehouses. Zoecon RF-209 Cockroach Growth Regulator is also intended to be used in various modes of transportation including but not limited to aircraft, buses, trucks, trailers, rail cars, and marine vessels. Prior to using in commercial or residential (household) food areas, please refer to the Food Handling Establishment or Commercial Food Storage Area sections of the label. The preparations prior to treatment and the clean up after application described therein are also to be followed for residential (household) use.

Zoecon RF-209 Cockroach Growth Regulator is authorized by the USDA for use in federally inspected meat and poultry plants. This product is acceptable for use in edible product areas of official establishments operating under the federal meat, poultry, shell egg grading, and egg products inspection programs.

**Instructions for use:** Zoecon RF-209 Cockroach Growth Regulator is intended to be mixed with water and applied with spray equipment such as hand pressurized or power operated sprayers capable of delivering general surface, fogger (space spray), spot and crack and crevice spray applications.

**Spray Preparation:** Prepare a diluted spray solution by {depressing the metered actuator twice} adding 7.5 milliliters {one bottle} of Zoecon RF-209 Cockroach Growth Regulator to one gallon of water. For fogger preparation, follow equipment manufacturer's instructions. For spray preparation, partially fill the mixing container with water, add the Zoecon RF-209 Cockroach Growth Regulator, shake, and fill to final volume. Use diluted spray solution within 48 hours of mixing. Shake before each use.

**Tank Mixing:** The user, at his discretion, can tank mix Zoecon RF-209 Cockroach Growth Regulator with SAFROTIN® Emulsifiable Concentrate Insecticide or another adulticide currently registered for use unless the product label prohibits such use. Use of the resulting tank mixture must be used in accordance with the more restrictive label limitations and precautions.

**General Surface Application:** Apply the Zoecon RF-209 Cockroach Growth Regulator diluted spray at a rate of one gallon per 1500 ft<sup>2</sup> of surface area. Use spray equipment capable of delivering a variable spray to uniformly apply the solution. Applications can be made to walls, floors, ceilings, attics, basements, crawlspaces, in and around cupboards, between, behind and beneath equipment, appliances, around floor drains, window and door frames, and on shelves, drawers and in similar areas. Applications may be made to floor surfaces along walls and around air ducts. **NOTE:** Prior to spraying around air ducts, shut off ventilation system. Allow spray to dry prior to turning on ventilation system.

**Fogger (Space Spray) Application:** Apply the Zoecon RF-209 Cockroach Growth Regulator as a fog or an ultra-low volume (ULV) mist with equipment such as ULV, mechanical misting sprayers, pump sprayers, or thermal foggers to achieve uniform coverage. Apply at a rate of 7.5 milliliters {one gallon dilution} per 12,000 ft<sup>3</sup>. Fogging applications are recommended for larger facilities including warehouses (refer to Warehouses section below). Close room or warehouse and shut off all ventilation systems. Apply the product in the air, and direct mist toward all areas that may harbor cockroaches. These include: points between different elements of construction, between equipment and floors, openings leading to voids in walls, equipment legs and bases, and walls along and behind baseboards. After treatment, leave the room closed for 30 minutes {or longer as recommended by the equipment manufacturer or the labels of other products applied in tank mixing}. Do not remain in treated area; ventilate before reentry.

**Spot and Crack and Crevice Applications:** Apply Zoecon RF-209 Cockroach Growth Regulator diluted spray solution using a pressurized spray system capable of delivering a pin-point or variable spray pattern. Crack and crevice applications may be made directly to areas such as, but not limited to: crevices, baseboards, floors, ceilings, walls, expansion joints, molding, areas around water and sewer pipes, voids where pests can hide, and similar areas. Spot treatments may also be made to areas including, but not limited to: storage areas, closets, around water pipes, doors and windows, behind and under refrigerators, cabinets, sinks, stoves, and other equipment, shelves, drawers and similar areas.

**Warehouses:** Zoecon RF-209 Cockroach Growth Regulator may be applied as a general surface, fogger, spot, or crack and crevice treatment in non-food storage warehouses or in warehouses where stored food items are limited solely to either bottled or canned items, so that food contact is not anticipated. Apply to all areas that may harbor pests, including under and between pallets.

**Food Handling Establishments:** Zoecon RF-209 Cockroach Growth Regulator may be only applied as a crack and crevice or spot treatment in both food and non-food areas of food handling establishments. Serving areas are also considered food areas. Do not apply directly to food products. Cover or remove all food during application. All food contact surfaces (i.e., equipment, benches, shelving, etc. where exposed food may be handled, held, prepared, processed or served) should be covered during treatment or washed with an effective cleaning compound followed by a potable water rinse before using.

Food handling establishments are defined as places other than private residences where exposed food is held, prepared, processed or served. These facilities {establishments} include but are not limited to: restaurants, cafeterias, taverns, bars, delicatessens, mess halls, school and institutional dining areas, hospitals, nursing homes, mobile canteens, vending machines, grocery stores and markets. Minimum retreatment interval, based on efficacy is 90 - 120 days.

**Commercial Food Storage Areas:** Apply only as a crack and crevice spray or spot treatment to pantry and cupboard shelves or other areas where food is stored. Prior to spraying, remove all food containers and foodstuffs. Do not replace food containers or foodstuffs until spray has dried. Destroy any infested food packages to ensure proper control.

**STORAGE & DISPOSAL:** Store in a cool area away from children. Do not reuse empty container. For container sizes < 1 gallon: Wrap container and put in trash collection. For container sizes > 1 gallon: Do not contaminate water, food, or feed by storage or disposal. Plastic Container Disposal - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Glass Container Disposal - Triple rinse (or equivalent). Then dispose of in a sanitary landfill or by other approved state and local procedures. Metal Container Disposal - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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